Abstract of the Disclosur

A GPS Simulation Scenario is constructed or calculated for therewith simulating a reality driving experiment along a prespecified itinerary. The method includes the following steps: providing a digitized map data set comprising a geographical region pertaining to the itinerary, which data set includes data regarding static environmental features that are present along the itinerary; providing dynamic and/or static positional and transmittal data regarding GPS satellites that are potentially relevant for GPS-based position determination along the itinerary; specifying a starting time instant and geographical starting and destination positions of said itinerary and calculating various vehicle routes as based on said digitized map data set, and from said calculated routes determining various sets of vehicle node positions and associated time instants along said itinerary; from said dynamic and/or static positional and transmittal data regarding GPS satellites and said static environmental features present along said itinerary calculating various instantaneous GPS quality metrics; and as based on said various GPS quality metrics and associated time instants calculating an overall GPS performance data quantity pertaining to said itinerary.